

REMARKS/ARGUMENTS

The specification has been revised to conform it to the preferred format for U.S. patent applications, and a Substitute Specification and Comparison Copy are submitted herewith.

Claims 26, 28-39, and 41-50 are pending in this application. The claims have been canceled and amended as shown in the above listing.

The Examiner objected to the drawings under 37 C.F.R. §1.83(a) as allegedly not showing the robot arm moving the object, exchangeable measuring elements, and an asymmetrical grid specified in the claims. Applicant submits that the robot arm is shown at least in Fig. 1 as element 26 and the exchangeable measuring elements are represented at least in Fig. 1 by elements 14 and 15. The asymmetrical grid is only recited in claim 38, which has been canceled. Accordingly, applicant submits that this objection has been obviated.

The Examiner objected to the specification for referring to the claims. The specification has been amended to obviate this objection.

The Examiner object to claims 26-38 and 41 due to various informalities in claims 26, 28, 30, 31, and 41. Applicant has amended those claims to obviate this objection.

The Examiner indicated that claims 31, 32, 44, and 45 would be allowable if rewritten in independent form including all of the features of the base claim and any intervening claims. Applicant has rewritten claims 31, 32, 44, and 45 and submits that they are now allowable.

The Examiner rejected claims 26-30 and 39-43 under 35 U.S.C. §102(b) as being anticipated by Pitches et al. U.S. Patent 4,691,446 ("Pitches").

Applicant submits that independent claims 26 and 39, as amended, are allowable over Pitches at least because the reference fails to teach or suggest setting up a plurality of physical fields comprising an acoustic, optical or electromagnetic field for the location of the measuring element. Rather, Pitches merely refers to a single system of laser range finders. An advantage of having a plurality of physical fields for locating the measuring element is a further

improvement of the measuring results, which may be cross-checked or averaged in a system having multiple physical fields for measuring the object.

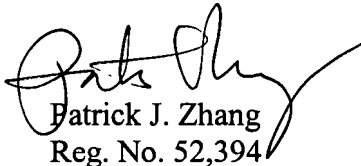
Accordingly, independent claims 26 and 39 are allowable over Pitches at least because the reference fails to disclose or fairly suggest this feature of applicant's claimed invention. Dependent claims 28-30, 33-38, 41-43, and 46-50, including claims 34-38 and 47-50 rejected as being unpatentable over Pitches and claims 33 and 46 rejected as being unpatentable over Pitches and Collingwood U.S. Patent 5,150,529, are allowable at least because they depend from allowable claims 26 and 39.

CONCLUSION

In view of the foregoing, applicant submits that this application is in condition for allowance, and a formal notification to that effect at an early date is requested.

If the Examiner believes a telephone conference would expedite prosecution of this application, please telephone the undersigned.

Respectfully submitted,


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